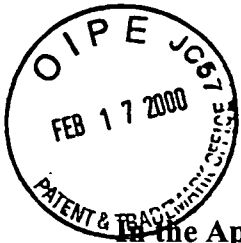


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PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

(Case No. 99,723)

In the Application of:

**Shieh et al.**

**Serial No.: 09/438,600**

**Filing Date: November 12, 1999**

**For: Biochannel Assay For  
Hybridization With Biomaterial**

**Examiner: Unassigned**

**Group Art Unit: 1743**

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Box DD  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicants wish to make the following references listed on the enclosed Form PTO-1449 of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56.

- 1 Mochida, U.S. Patent 5,147,607, issued September 15, 1992.
- 2 Beattie, U.S. Patent 5,843,767, issued December 1, 1998.
- 3 Ekström et al., EP 0527905B1, date of filing August 5, 1991.

- 4 Buechler, WO 98/43739, filing date March 24, 1998.
- 5 Becker, H., Dietz, W. & Dannberg, P. 1998. "Microfluidic manifolds by polymer hot embossing for  $\mu$ -TAS applications." *Micro-TAS' 98, Banff*, pp. 253-256.
- 6 Effenhauser, C.S., Bruin, G.J.M., Paulus, A. & Ehrat, M. 1997. "Integrated capillary electrophoresis on flexible silicone microdevices: analysis of DNA restriction fragments and detection of single DNA molecules on microchips." *Anal. Chem.*, vol. 69, pp. 3451-3457.
- 7 Lee, L.P., Berger, S.A., Pruitt, L. & Liepmann, D. 1998. "Key elements of a transparent teflon® microfluidic system." *Micro-TAS' 98, Banff*, pp. 245-248.
- 8 McCormick, R.M., Nelson, R.J., Alonso-Amigo, M.G., Benvegnu, D.J. & Hopper, H.H. 1997. "Microchannel electrophoretic separations of DNA in injection-molded plastic substrates." *Anal. Chem.*, vol. 69, pp. 2626-2630.
- 9 Webster, J.R., Burns, M.A., Burke, D.T. & Mastrangelo, C.H. 1998. "An inexpensive plastic technology for microfabricated capillary electrophoresis chips." *Micro-TAS' 98, Banff*, pp. 249-252.

Copies of the references cited on the Form PTO-1449 are enclosed.

The Examiner is respectfully requested to consider the references in their entirety and to so indicate by initialing the appropriate box on the Form PTO-1449. By submission of the references on the Form PTO-1449, no representation is intended as to the relative importance of any portion of the references. Furthermore, such citation is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103. Applicants expressly reserve the right to establish that the aforesaid references are not prior art, and/or are not art that is analogous or relevant to the claimed

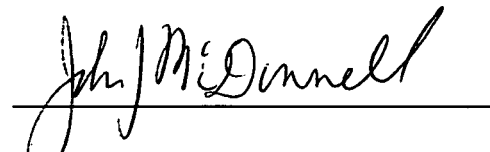
invention.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office Action on the merits. 37 C.F.R. §1.97 (b)

Please charge any underpayment or credit any overpayment in connection with this communication to Deposit Account No. 13-2490. A duplicate copy of this communication is enclosed for this purpose.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "John J. McDonnell", is written over a horizontal line.

John J. McDonnell

Reg. No. 26,949

**McDonnell Boehnen Hulbert & Berghoff**

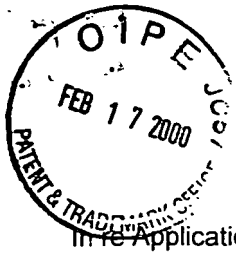
300 South Wacker Drive

Chicago, IL 60606

Date: February 14, 2000

Telephone: 312-913-0001

Facsimile: 312-913-0002



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 99,723)

In re Application of:  
**Shieh et al**

Serial No.: **09/438,600**

Filed: **11/12/99**

For: Biochannel Assay for Hybridization with Biomaterial )

Group Art Unit: ~~1743~~

Examiner: Unassigned

Asst. Commissioner for Patents  
Washington, D.C. 20231

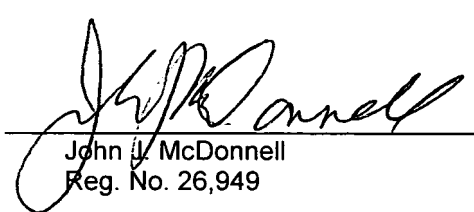
Sir:

**TRANSMITTAL LETTER**

In regard to the above identified application:

1. We are transmitting herewith the attached:
  - a. Information Disclosure Statement
  - b. Form PTO-1449;
  - c. Copy of nine (9) cited references;
  - d. Return Receipt Postcard.
2. With respect to additional fees, no additional fee is required.
3. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being mailed via US Postal Service, with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., on this 14<sup>th</sup> day of February, 2000.

By

  
John L. McDonnell  
Reg. No. 26,949

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
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In re Application of:  
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Asst. Commissioner for Patents  
Washington, D.C. 20231

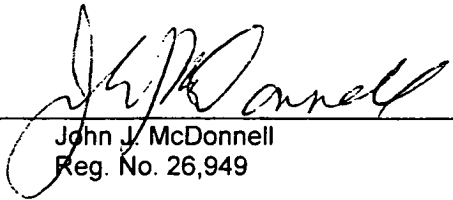
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By

  
John J. McDonnell  
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